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Approved for use through 09/30/2000. OMB 0651-0032

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PTO/SB/05 (4/98)	
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1	LITILITY	Atto	mey Docket	No. 0	3-1098/L13.	12-0252		
Contraction	First Title	ROUT		Identifier IEME FOR I	-		hnan et al. PAIRS IN	
Only for new	non-provisional applications under 37 C.F.R. § 1.53(B))	Ехрі	ress Mail La	bel No.	EV2419792	42US		<u> </u>
See MPEP	APPLICATION ELEMENTS chapter 600 concerning utility patent application content	ts.	Addre	ss To:	Mail Stop Pa Commission P.O. Box 145 Alexandria, \	er for Pa 0	tents	72095
1.	*Fee Transmittal Form e.g., PTO/SB17) (Submit an original and a duplicate for fee processing)		5.	☐ Microf	iche Compute	r Progran	n <i>(Appen</i> o	10/ _(xi)
2.		3	6.	(If app	apc. cop	ess <i>ary)</i> Readable by (Identic	Copy cal to comp	
	- Reference to Microfiche Appendix			ACCO	MPANYING A			
	- Background of the Invention		7.	⊠ Ass	ignment Papers	s (cover s	sheet & doc	cument(s))
	 Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) 		8.		C.F.R. § 3.73(b)			Power of Attornev
1	- Abstract of the Disclosure	_6′2	9.	_ `	lish Translation) Docume	ent	
3.	Drawing(s) (35 U.S.C. § 113) [Total Sheets 3]]	10.		rmation Disclos ement (IDS/PT)	Copies of IDS
4. Oath	or Declaration [Total Sheets 3]]	11.		iminary Amend	lment		
a.	Newly executed (original or copy)	_	12.	X Two	Return Receip	t Postcar	rds (MPEP	503)
b.	Copy from a prior application (37 C.F.R. § 1.63 (for continuation/divisional with Box 17 completed)	B(d))	13.	Stat	ement(s)			prior application. and desired
	i. DELETION OF INVENTOR(S) Signed statement attached deleting		14.		tified Copy of Poreign priority is	•		
	inventor(s) named in the prior applicat see 37 C.F.R. §§1.63(d)(2) and 1.33(t	tion,	15.	☐ Req	uest and Cert.	Under 35	USC 122	(Non-Pub)
FEES, A SM	OR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTIT MALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT LED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).	TY	16.	⊠ Othe	er: <u>File Data</u>	Sheet		
17. If a (CONTINUING APPLICATION, check appropriate box, a	and sup	oply the requ	isite informat	tion below and ir	n a prelimi	inary amend	lment:
100	☐ Continuation ☐ Divisional ☐ Continuation -	in part	(CIP)	of prior app	lication No:			
FOR	Prior application information: Examiner CONTINUATION or DIVISIONAL APPS only: The entire	a discl	_ osure of the		oup/Art Unit:	ich an oa	th or decla	ration is sunnlied
unde	r Box 4b, is considered a part of the disclosure of the ac ence. The incorporation <u>can only</u> be relied upon when a	compa	nying conti	nuation or d	ivisional applic	ation and	d is hereby	incorporated by
reter			PONDENC		y omitted mom	tile subii	писи аррп	cation parts.
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☐ Cus	stomer Number or Bar Code Label (Insert Customer N	o. or At	tach bar code	label here)	or 🗵	Correspoi	ndence addı	ress below
	Timothy R. Croll							
Name	Vame LSI LOGIC CORPORATION 1621 Barber Lane							
Address	M/S D-106							
City	8.631-34	tate	CA		Zip	Code	95035	
Country	USA Telepho	one				Fax		
Name (Pr	int/type) David D. Brush			Registration	No. (Attorney/Ag	gent)	34,557	
Cinnatura						Data	11/2/10	12

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FEE TRANSMITTAL							Application No.							
							Filing		<u> </u>	ŀ	Herewith			
								Named	Invento	, A	Arun Ramakrishnan et al.			
								varrieu	nivento		ROUTING SCHEME FOR DIFFERENTIAL			
							Title				PAIRS IN FLIP CHIP SUBSTRATES			
							Group Art Unit							
							Examiner Name							
Total Amount of Payment \$ 986							Atty. [Atty. Docket Number 03-1098/L13.12-0252						
METHOD OF PAYMENT (Check One)						,	FEE CALCULATION (Continued)							
1. 🗵 T	he Direct	or is hereb	ov author	ized to cha	arge anv additi	onal fee	3. ADDITIONAL FEES							
The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 23-1123. Westman, Champlin & Kelly, P.A.						tion fee,	Large Fee	Large Entity Small Entity Fee Fee Fee Fee						
 ₂ ⊓.	Check En	closed					Code	(\$)	Code	(\$)	Paid			
، ت 							1051	130	2051	6	5 Surcharge - Late filing fee or oath			
FEE CALCULATION							1052	5 0	2052	2	·			
1. BA	SIC FILI	NG FEE					1053	130	1053	130	0 Non-English specification			
Large	Large Entity Small Entity				1812	2,520	1812	2,520	For Filing a Request for Reexamination. (ex parte)					
Fee	Fee	Fee	Fee		•		1251	110	2251	5	5 Extension for reply within first month			
Code	<u>(\$)</u>	<u>Code</u>	<u>(\$)</u>	Fee D	escription		1252	420	2252	210	0 Extension for reply within second month			
1001	770	2001	385	⊠ U	tility Filing Fee		1253	950	2253	475	5 Extension for reply within third month			
1002	340	2002	170	□De	sign Filing Fee		1254	1,480	2254	740	Extension for reply within fourth month			
1004	770	2004	385	385 Reissue Filing Fee			1255	2,010	2255	1,00	5 Extension for reply within fifth month			
1005 160 2005 80 ☐Prov. Filing Fee							1402	330	2402	165	5 Filing a brief in support of an appeal			
Subtotal (1) \$ 770							1403	290	2403	145	5 Request for oral hearing			
2. EXTRA CLAIM FEES							1814	110	2814	55	5 Terminal Disclaimer Fee			
	Numb Claim		or**	Extra	Fee from Below	Fee Paid	1452	110	2452	55	5 Petition to Revive - unavoidable			
Total	32	20		12	18	216	1453	1,330	2453	665	5 Petition to Revive - unintentional			
Indep.	3	3		0	86	0	1501	1,330	2501	665	5 Utility/Reissue issue fee (inc. advance copies)			
Multiple Dependent Claims							1502	480	2502	240	Design issue fee (inc. advance copies)			
** Insert 3 and 20, or number previously paid if greater; Reissue see below							1460	130	1460	130	Petitions to the Commissioner			
Large Fee <u>Code</u>	Entity Fee _(\$)	Small E Fee Code	Fee (\$)	Description	on		1807	50	1807	50	Petitions related to provisional applications			
1202 1201	18 86	2202 2201	9 43	Claims in excess of 20 Independent claims in excess of 3			1806	180	1806	180	Submission of Information Disclosure Statement			
1203	290	2203	145	•	Dependent Clai		8021	40	8021	40	D. B. Carlotte and A. Carlotte			
1204 1205	86 18	2204 2205	43 9	Original F	Independent Cl Patent claims in exces						property (times number of properties)			
and over original patent							Other F	ee (speci	fy)					
Subtotal (2) \$ 216							L				Subtotal (3) \$			

Reg. No. 34,557

Signature (David D. Brush)

Date 11/24/03